

Table 1: June 19, 2002 - System Issues and Status

Activity	Lead	Status
Processing Strategy	Geier	•
CM	Ayers	<ul style="list-style-type: none"> • See Table 2 for SCCR activity since the last DMT meeting. SCCRs for Subsystems 1-4 that need to be reviewed follow Table 2. (Ayers) • Tested the following deliveries and released them to the ASDC: ERBE-like (SCCR 341) and TISA Gridding (SCCR 360). (Ayers) • Delivered the SFC sample read package to the ASDC. (Ayers) • Distributed and posted an updated Delivery Schedule. (Ayers) • Closed four SCCRs (364, 351, 341, and 360). (Franklin)

Table 2: SCCR Activity June 3 at 3:00pm - June 17 at 11:00am

SCCR	S	U	A	C	D	SS	Page No.	Comments
341				X		2&3		
351				X		4.1-4.4		
355			X			1		
360				X		9		
364				X		4.5&4.6		
366	X		X			11		
367	X					4.5&4.6	2	

S=Submitted; **U**=Updated; **A**=Approved; **C**=Closed; **D**=Disapproved; **SS**=Subsystem

CERES Software Configuration Change Request Submittal

Subsystem: Inversion

SCCR Date & TIME: 2002-06-12 15:12:00

SCCR No.: 367

Description of Change (Science):

1. New PGE CER4.5-6.1P3 added for processing Aqua data and creating SSF product.
2. PGE CER4.5-6.1P2 was modified to use dynamic Spectral Correction Coefficients produced by PGE CER2.4P1.

Reason for Change (Science):

1. New PGE required for Aqua.
2. Dynamic Spectral Correction Coefficients are based on Spectral Response Function.

Description of Change (non-Science):

1. PGE CER4.5-6.1P2 was modified:
 - A. To change the SSF HDF ID to the sum of the SSFB and SSFA IDs
 - B. To create archival PCF and QC tar files.
2. PGE CER4.5-6.2P2 was modified:
 - A. To record the Instrument name instead of the Satellite name in the SSF subset header.
 - B. To create archival PCF tar file.

Reason for Change (non-Science):

- 1A. SSF ID over 1000 is used to indicate SSF MODIS aerosols are included in the SSF HDF product.
- 1B. Archival tar files are used to reduce the number of archived files.
- 2A. Instrument name used for unique header ID.
- 2B. Archival tar files are used to reduce the number of archived files.

Est. Time to Complete Changes: 1 week

Planned Delivery Date : June 21, 2002

Impact : n/a

Originator: NOLAN, SANDY K. (SAIC)

Table 3: June 5, 2002 - Subsystem Status

SS No.	SS Lead	Status	Problems
1.0	Cooper/ Escuadra	<ul style="list-style-type: none">• Delivered new PGE CER1.3P3 along with updates to CER1.1Pn and CER1.3P1. (Cooper)• CRYSTAL-FACE test was performed. Analysis of data shows that we missed the target area, however Aqua was still performing maneuvers to reach its final orbit. (Szewczyk)• Began work to consolidate all of the HDF routines used for all the SS1 PGEs into one set of routines that will be used by all PGEs. (Escuadra)• Continued tracking Terra and Aqua data receipt. All ephemeris and attitude data for May 2002 Terra has been received. Aqua data continues to arrive in a timely manner. (Cooper)	
2.0	Kizer	<ul style="list-style-type: none">•	
3.0	Kizer	Combined with above.	
4.1	Sun-Mack	<ul style="list-style-type: none">• Continued processing Edition2 CloudVis images (region8 and region9). (R. Brown)• Testing modifications to DX QC Batch program. Continued working on QC Web Viewer. (R.Brown)• Wrote a new daily code (part of PGE: CER4.1-4.2P1) to calculate cloud retrieval resultsbased on local time. (Sun-Mack)	
4.2	Sun-Mack	Combined with above.	
4.3	Sun-Mack	Combined with above.	

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SS No.	SS Lead	Status	Problems
4.4	Miller	<ul style="list-style-type: none"> Responded to ASDC requests to modify scripts for determining NESDIS Snow and Ice map and running the new clear sky update. The Snow and Ice script was changed to include a naming variation and adding the other two satellites as choices. The clear sky update run script (2P2) was modified to work in the ASDC scripting language. (Miller) Updated the Operator's Manual based on SSIT. (Miller) Monitored Terra production. Created daily binary QC files for Terra Beta3 March 2001. (Miller) Problems: None 	
4.5	Nolan	<ul style="list-style-type: none"> Continued work on PGEs 4.5-6.1P2, 4.5-6.1P3, and 4.5-6.2P2 for June 21st CM delivery. (Nolan, Franklin and Hoppe) Added new PGE 4.5-6.1P3 to Inversion Test Plan and Operator's Manual ((Nolan and Franklin) Provided additional information to Dr. John Wu (DAS) on using Scene ID module to obtain ERBE scene type from an SSF footprint. (Nolan) Worked with Lindsay Parker to help him read and understand SSF data and debug his software. (Nolan) Completed reorganization of PGE 4.5-6.2P2 code. Nadir, aerosol and day/night subsetting production separated into different modules. (Hoppe). Learned how to tar files for software deliveries. (Hoppe). Updated the HDF software to set the SSF_ID on the HDF file to be the sum of the SSF_IDs on the binary and aerosol files for Terra and Aqua processing. (Franklin) 	
4.6	Nolan	Combined with above.	
5.0	Coleman	<ul style="list-style-type: none"> Began implementing new logic required for the use of the MODIS aerosol data with Terra data. (Coleman) Testing portion of Monthly QC Report Summary code that ingests the actual QC reports. (Coleman) 	

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SS No.	SS Lead	Status	Problems
7.2	Coleman	Combined with above.	
12.0	Coleman	<ul style="list-style-type: none"> No new updates. 	
7.1	Nguyen	<ul style="list-style-type: none"> No new updates. 	
8.0	Nguyen	<ul style="list-style-type: none"> No new updates. 	
10.0	Nguyen	<ul style="list-style-type: none"> Improvements to the directional models were made. (Boghosian) Corrected the monthly average albedos for zonal and global averages.(Nguyen) Added the twilight correction to the monthly mean SW flux. (Nguyen) Added the weighted cloud area fraction to the cloud averages. (Nguyen) Comparing the number of observations of raw SW flux from Beta3 SRBAVG and Beta4 SRBAVG. Investigating to find the reason for the lost of number of observation in Beta4. (Nguyen) 	
6.0	Raju	<ul style="list-style-type: none"> Provided the requested information on FSW product to Ms. Yan Chen. Modified the FSW binary read software and sent her the program to use in her cloud parameter data comparisons between the cloud sub-system QCs and the April 1998 Beta3 FSW product data. (Raju) 	
9.0	Raju	<ul style="list-style-type: none"> Completed the subsystem 9 delivery to CM on schedule. (Raju) Worked on the Sample read package for Beta4 SFC product. Created five record HDF and the dump files. Updated the documentation. Completed the Read software delivery to CM on June14. (Raju) 	

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11.0	Stassi	<ul style="list-style-type: none"> Modified main processor source code to collect separate radiance data statistics for every 4th pixel of every 4th scan. Correlated these means against means which include every pixel. (Stassi) Reran the February 1998 data for all satellites. Checked Web plots and found that the GOES-8 images from days 10 thru 14 were only half images, even though full images were produced from most hours in same period during production. Found that certain values used in Clouds processing were only being set once at the beginning of the job: scans_per_image, pixels_per_scan, and day_of_year. Modified code to reset these values for every input image. (Stassi) Wrote a script to generate input image files for METEO-5 data. This is used in validation processing. The METEO-5 files have two naming conventions, both of which are different than the one used for METEO-6 and METEO-7. (Stassi) Integrated the changes Raja made in the Georc PGE code into the working directory. Updated the source code files with the latest versions from Cathy. (Stassi) Reran Feb thru Aug 1998 and Mar 2000 thru first pass processing to recreate the recalibration coefficients using all the latest changes in the code. We need to finalize these coefficients to include in this week's GGEO delivery. (Stassi) 	
CERESlib Stassi/Ayers		<ul style="list-style-type: none"> Added get_zonal_weights() subroutine to the weights module. (Stassi) Added \${HOST}:\$CERESHOME to the subject line in the mail_PGE_summary.csh script. (Stassi) 	